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MGRRE_PureOilScoutTickets_State Enterprise_A-1_21113097470000

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MGRRE_PureOilScoutTickets_State Enterprise_A-1_21113097470000

API 21113097470000

Permit Number 9747

Lease Name State Enterprise

Well Number A-1

County Missaukee

Township 23N

Range 05W

Section 11

2021 DEQ or Pure co_name Merit Energy Company

Pure Number 102

Latitude 44.4014702

Longitude -84.8936523

THE PURE OIL COMPANY
LOCATION REPORT

Serial No. 102 ¹⁰²

Date August 26, 1942

A.F.E. No. _____

Division Michigan Producing District _____ Lease State Enterprise "A"

Acres _____ Lease No. _____ Elevation _____ Well No. 1 (Serial No. 102)

Quadrangle C 32 SW NW Sec. 11 Twp. 23 N Rge. 5 W Twp. Enterprise

Survey _____ County Missaukee State Michigan

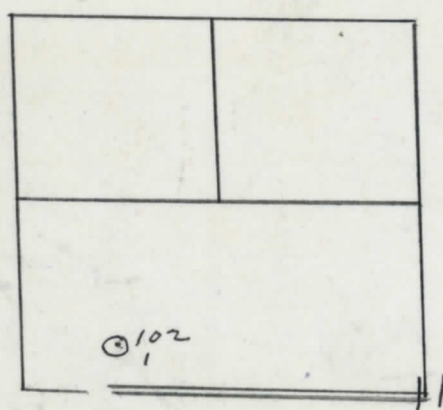
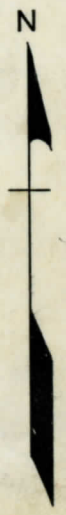
Operator Sun Oil Company Map Enterprise Township, Missaukee County

Feet from North Line of Lease	
1980	1980
330	330
Feet from North Line of Section	
330	330
660	660

*Clear
Loop*

LEGEND

- Location
- ☼ Gas Well
- Oil Well
- ☼ Gas - Distillate Well
- or ○ Dry Hole
- Dry Showing Oil
- ☼ Dry Showing Gas
- ⊖ Abandoned Location
- ☼ or ☼ Abandoned Gas Well
- or ● Abandoned Oil Well
- ⊖ or ⊖ Input Well



Scale _____

Remarks: _____

Submitted by _____ Civil Engineer
Approved by _____ Division Manager
Approved by _____ Vice-President - General Manager

COMPLETION RECORD OF WELLS DRILLED BY OTHER OPERATORS

Michigan Producing Division

Date July 28, 1943 No. 102
State Mich. County Missaukee District Enterprise Sec. 11 Twp. 23 N Rge. 5 W
Well No. 1 (Serial No.) 102 Farm State-Enterprise Acres
Operator Sun Oil Company By Scouting Department
Date well started 9-19-42 Date well completed 11-26-42 Elevation 1178.4

PRODUCTION RECORD

Dry Hole
1st 24 hours natural
2nd 24 hours natural
Date of shot No. of quarts From to From to
Date of acid No. of gallons
1st 24 hours after acid shot
2nd 24 hours after acid shot

FORMATION AND CASING RECORD

Formation	Top	Bottom	Top Pay	Bottom Pay	Remarks	Casing	
						Size	Set at
Drift	0	410				10"	430
Mich. Stray	587					5"	4437
Marshall	700	860	Log				
Antrim	1795	2456			See remarks below.		
Traverse Lime (Squaw Bay)	2478	S.L.M.			Salt water 2480-85 (Brown Crystal Dol.)		
Traverse Lime (Alpena)	2661				Bleeding black oil 2564 to 2665.		
Dundee	3184	S.L.M.			Cored 3189-3209 SLM - Porosity & bleeding oil 3189-3194.		
					See remarks on other side.		
Detroit River	3475				" " " " "		
Richfield Pay Zone	4490 ?				" " " " "		
Total Depth		4596					

New T.D. 4608 - See P. 216.
Remarks Cored from 2458 to 2566; small oil and bleeding salt water 2480 to 2485, as shown above. 2534' DSM equals 2527' SLM; 3196' DSM equals 3189' SLM; 3415' DSM equals 3417' SLM.
Cored from 3209 to 3228 - small porosity with pin points oil 3224 to 3228.

Signed D. C. Shackelford

Dundee:

Cored 3228 to 3247 - pin points of oil and bleeding salt water 3230-3231.
 Porosity with small oil 3240 to 3242 - bleeding salt water 3242 to 3243.
 Cored from 3247 to 3266 - fair porosity and saturation 3249½ to 3251;
 fair porosity and saturation 3253 to 3254 - good porosity 3254½ to 3255 -
 fairly porous with saturation 3257 to 3262 - very porous and saturated
 3262½ to 3266.
 Cored from 3266 to 3285 - very porous with no saturation 3266 to 3269 -
 good porosity 3269½ to 3275½ - porous 3278½ to 3283 - fairly porous
 3283 to 3285.
 Cored from 3285 to 3301 - fair porosity with saturation from 3295 to
 3296 - porous and saturated from 3299 to 3301.
 Cored from 3301 to 3320 - porous 3303 to 3306; very porous 3312 to 3315.
 Cored from 3320 to 3339 - very porous 3322 to 3323; 3325 to 3327; 3327½
 to 3329½.
 Cored from 3339 to 3377 - sulphur odor 3347 to 3350; fair porosity and
 smell oil 3365 to 3367; pin points of oil 3367 to 3377.
 Cored from 3377 to 3396 - show bleeding oil 3382 to 3383 - bleeding
 oil 3389 to 3389½.
 Cored from 3396 to 3415 - no shows of oil or porosity.
 Cored from 3415 to 3436 - pin points of oil 3419 to 3419½; with salt water
 3428½ to 3431½; with questionable salt water 3434½ to 3436.
 Cored from 3436 to 3455 - bleeding oil 3483½ to 3484.
 Cored from 3455 to 3474 - fair porosity with some saturation 3457 to
 3459½ - bleeding oil and salt water 3459½ to 3460.
 Cored from 3474 to 3493 - no showings.

Detroit River:

Very small show oil and gas 4442' SIM; 4460 to 4462.
 Small show gas 4466 to 4468 - show salt water 4479 to 4481 - 200 ft.
 oil and 125 ft. salt water in hole in 15 hrs. at 4484.

Richfield Pay
Zone ? :

Increase oil and gas 4490 to 4497 - 350 ft. oil and 350 ft. salt water
 in hole at 4506 - 400 ft. oil and 800 ft. salt water in 48 hr. test at
 4569.

Set plug at 3443 and perforated with 12 shots 3203 to 3215 - recovered
 3200 ft. fluid (water and mud) and cemented off perforations.
 Perforated with 4 shots 3249 to 3250 and cemented 3203 to 3250 -
 perforated 3186 to 3239 and recovered 50 ft. salt water and cemented.
 Perforated 3183 to 3194; 3204 to 3215; recovered 250 ft. salt water with
 very small show of gas in 16 hrs - tubed to treat on 1-6-43 - hole making
 ¾ of a bailer of salt water per hour.
 Treated with acid - 2000 gals. on 1-7-43 - swabbed and flowed 140 bbls.
 fluid on 1-8-43 - shut in.

1-9-43:

Flowed 96 bbls. oil - 2 hrs. One hour test later on 1-9-43 showed 59
 bbls. with 10 to 15% B.S.&W.

1-15 & 1-16-43:

Flowed total of 210 bbls. oil and 49 bbls. B.S.&W.

1-29-43:

Total production 396 bbls. ~~known~~ pipe line oil.

2-3-43:

Went to water - pumped 260 bbls. - 90% salt water.

2-22-43:

Cemented with retainer set at 3225.

2-27-43 :

Pumped - no production.

3-23-43:

Cemented with 150 sacks - retainer at 3165 and shut down until 5-18-43.

5-18-43:

Swabbed 46 bbls. oil and 44 bbls. salt water - ran steel line found
 retainer at 3133.

5-20-43:

Drilled out to 3184'.

5-21-43:

Swabbed 55 bbls. oil and unknown amount of salt water at 3184.

6-5-43: Cleaned out to 3231 - bailed hole dry.
6-10-43: Cleaned out to 3443 and perforated with 8 shots 3262 to 3265½ -
recovered 100 ft. oil and 2500 ft. salt water in 12 hours.
6-14-43: Cemented with 77 sacks with retainer at 3250.
6-21-43: Swabbed 1700 bbls. salt water - 4 days ending 6-21-43.
6-24-43: Cemented off all perforations.
7-9-43: Cleaned out to 4596' - total depth - all water shut off.

Treated with 1000 gals. acid - swabbed 4 to 6 bbls. oil with
some salt water.

7-13-43: Treated with 3000 gals. acid - resulting in hole full salt water.
Abandoned.